

Notice of Allowability

Application No.

10/048,057

Examiner

Eleni A. Shiferaw

Applicant(s)

HABERT, MICHEL

Art Unit

2136

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address--

All claims being allowable, PROSECUTION ON THE MERITS IS (OR REMAINS) CLOSED in this application. If not included herewith (or previously mailed), a Notice of Allowance (PTOL-85) or other appropriate communication will be mailed in due course. **THIS NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RIGHTS.** This application is subject to withdrawal from issue at the initiative of the Office or upon petition by the applicant. See 37 CFR 1.313 and MPEP 1308.

1. ☒ This communication is responsive to 03/14/2007.
2. ☒ The allowed claim(s) is/are 1-18.
3. ☒ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
 - a) ☒ All b) ☐ Some* c) ☐ None of the:
 1. ☐ Certified copies of the priority documents have been received.
 2. ☐ Certified copies of the priority documents have been received in Application No. _____.
 3. ☐ Copies of the certified copies of the priority documents have been received in this national stage application from the International Bureau (PCT Rule 17.2(a)).

* Certified copies not received: _____.

Applicant has THREE MONTHS FROM THE "MAILING DATE" of this communication to file a reply complying with the requirements noted below. Failure to timely comply will result in ABANDONMENT of this application.

THIS THREE-MONTH PERIOD IS NOT EXTENDABLE.

4. ☐ A SUBSTITUTE OATH OR DECLARATION must be submitted. Note the attached EXAMINER'S AMENDMENT or NOTICE OF INFORMAL PATENT APPLICATION (PTO-152) which gives reason(s) why the oath or declaration is deficient.
 5. ☐ CORRECTED DRAWINGS (as "replacement sheets") must be submitted.
 - (a) ☐ including changes required by the Notice of Draftsperson's Patent Drawing Review (PTO-948) attached
 - 1) ☐ hereto or 2) ☐ to Paper No./Mail Date _____.
 - (b) ☐ including changes required by the attached Examiner's Amendment / Comment or in the Office action of Paper No./Mail Date _____.
- Identifying indicia such as the application number (see 37 CFR 1.84(c)) should be written on the drawings in the front (not the back) of each sheet. Replacement sheet(s) should be labeled as such in the header according to 37 CFR 1.121(d).
6. ☐ DEPOSIT OF and/or INFORMATION about the deposit of BIOLOGICAL MATERIAL must be submitted. Note the attached Examiner's comment regarding REQUIREMENT FOR THE DEPOSIT OF BIOLOGICAL MATERIAL.

Attachment(s)

1. ☐ Notice of References Cited (PTO-892)
2. ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)
3. ☐ Information Disclosure Statements (PTO/SB/08), Paper No./Mail Date _____
4. ☐ Examiner's Comment Regarding Requirement for Deposit of Biological Material
5. ☐ Notice of Informal Patent Application
6. ☒ Interview Summary (PTO-413), Paper No./Mail Date 5/17/07.
7. ☒ Examiner's Amendment/Comment
8. ☒ Examiner's Statement of Reasons for Allowance
9. ☐ Other _____.

NASSER MOAZZAMI
SUPERVISORY PATENT EXAMINER
TECHNOLOGY CENTER 2100

DETAILED ACTION

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1. An examiner initiated telephone interview has been made with Eric King on May 17, 2007 to include allowable subject matter from the applicant's disclosure. Eric King has been authorized the examiner to do examiner's amendment and examiner's amendment has been made for independent claims 1 and 11, based on the telephone interview.

EXAMINER'S AMENDMENT

2. An examiner's amendment to the record appears below. Should the changes and/or additions be unacceptable to applicant, an amendment may be filed as provided by 37 CFR 1.312. To ensure consideration of such an amendment, it MUST be submitted no later than the payment of the issue fee.

Authorization for this examiner's amendment was given in a telephone interview with Eric King on May 17, 2007.

3. Claims 1 and 11 are amended as follows.

1. (Currently Amended) A method for secure communication between first and second entities interconnected via an internet network, said entities being associated with respective first and second processing systems connected to said internet network, said first system operating in client mode and said second system operating in server mode, said method comprising:

assigning respective permanent internet addresses to said first and second entities,

making at least one application, located in said second system, accessible to said first

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entity,

receiving an application request at the second system,

selectively recognizing said application request as belonging to one of a first and a second application interface communication protocol, said first application interface communication protocol associated with a first server of the second system and said second application interface communication protocol associated with a second server of the second system,

providing said application request recognized as belonging to the first application interface communication protocol to the first server of the second system,

providing said application request recognized as belonging to the second application interface communication protocol to the second server of the second system,

converting, using a web server application interface portion of the second server, said application request recognized as belonging to the second application interface communication protocol to the first application interface communication protocol, ~~and~~

encrypting data exchanged between said first and second entities in conformity with a desired security protocol, wherein said first and second systems include including a communication protocol stack having at least one layer which allows for said encrypting step to be performed and said second entity hosting a WAP gateway utilizing the web server application interface said second system is being configured to communicate, via the web server application interface adapter, directly with a first type of WAP application and via a web container and at least one specific application program interface with a servlet WAP application, and

performing a conversion to or from HTTP using a WAP gateway function included in the second system.

11. (Currently Amended) A system architecture for secure communication between first and second entities interconnected via an internet network, said entities respectively being associated with first and second data processing systems within a set of distributed systems connected to said internet network, said first system operating in client mode and said second system operating in server mode, said first and second entities being associated with permanent internet addresses, comprising:

at least one application included in said second system, said at least one application being accessible by said first entity;

first and second communication protocol stacks respectively included in said first and second systems,

a first application interface communication protocol associated with a first server of the second system,

a second application interface communication protocol associated with a second server of the second system,

said second server comprising a web server application interface portion configured to convert an application request belonging to the second application interface communication protocol to the first application interface communication protocol, and

each of said first and second communication protocol stacks comprising at least one address layer using a respective one of said permanent IP addresses and a logical layer for encrypting, in end-to-end mode in conformity with a given security protocol, data exchanged

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between said first and second entities and said second entity hosting a WAP gateway utilizing the web server application interface adapter and the server included in said second system ~~is~~ being configured to communicate, via the web server application interface adapter, directly with a first type of WAP application and via a web container and at least one specific application program interface with a servlet WAP application, and

a WAP gateway function included in the second system to perform a conversion to or from HTTP.

Allowable Subject Matter

5. Claims 1-18 are allowed.

The following is an examiner's statement of reasons for allowance: none of the prior art of record alone or in combination disclose applicant's claims 1 and 11 wherein including the functionality of gateway 21 in the second system/server 3 wherein the functionality of gateway comprising performing a conversion to or from HTTP using WAP gateway function and/or conversion of WAP with HTTP.

Any comments considered necessary by applicant must be submitted no later than the payment of the issue fee and, to avoid processing delays, should preferably accompany the issue fee. Such submissions should be clearly labeled "Comments on Statement of Reasons for Allowance."

Conclusion

6. Any inquiry concerning this communication or earlier communications from the examiner should be directed to Eleni A. Shiferaw whose telephone number is 571-272-3867. The examiner can normally be reached on Mon-Fri 8:00am-5:00pm.


If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Nasser R. Moazzami can be reached on (571) 272-4195. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.



May 22, 2007

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5/27/07